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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/749,895	12/31/2003	Pawel W. Sleboda	04040 (3883.00021)	8918
35374	7590	08/02/2005	EXAMINER	
LEAR CORPORATION, BLISS MCGLYNN, P.C.			NGUYEN, HUNG T	
2075 WEST BIG BEAVER ROAD			ART UNIT	
SUITE 600			PAPER NUMBER	
TROY, MI 48084			2636	

DATE MAILED: 08/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/749,895

Applicant(s)

SLEBODA ET AL.

Examiner

Hung T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>6/25/04 & 4/29/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1, 6 & 11-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "the occupants" in line 5. There is insufficient antecedent basis for this limitation in the claim.

Claims 6 & 12 recites the limitation "the Bluetooth" in lines 3 & 2. There is insufficient antecedent basis for this limitation in the claim.

Claim 11 recites the limitation "the CAN" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4 & 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Turnbull (U.S. 6,539,306).

Regarding claim 1, Turnbull discloses a vehicle information system / GPS (50) having a plurality of operative modules (51,52,54,57) [figs.1,5 col.8, lines 52-58, col.9; lines 55-64] comprising:

- a control processing unit (50a) adapted with plurality of operative modules including a navigation system (50) having a navigation display (50b), telematics system (52) and entertainment system (57) contains AM/FM radios / local networks, satellite radios television or the like by wireless communication signals [figs.1,5 col.8, lines 1-57, col.9, lines 55-64];
- the navigation system (50) is communicated with Global positioning satellite (12) [fig.1, col.4, lines 10-29];
- GPS antenna / Loran antenna (44) can be mounted in any where in the vehicle including in an overhead console (11K) which the GPS antenna maintains line of sight with Global Positioning Satellite transmitters (13) at all time ([fig.1, col.4, lines 10-29 and col.6, lines 41-60].

The reference of Turnbull does not specifically mention “antenna array” as claimed by the applicant.

However, Turnbull does mention that GPS antenna / Loran antenna (44) can be any type of several of antenna as whip antennas, loop antennas or the like for receiving Loran broadcasts [fig.1, col.4, lines 10-29, col.6, lines 41-60 and col.7, lines 39-49].

Therefore, it would have been obvious to one having ordinary skill in the art to employ the system of Turnbull for receiving good signals at all time from the Satellites and local signals as providing visual information and wireless telecommunication networks to driver of the vehicle.

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Regarding claims 2-4, Turnbull mentions that GPS antenna / Loran antenna (44) can be any type of several of antenna as whip antennas, loop antennas, microwave antennas or the like for using in a cellular phone or satellite radios, television or by entertainment system (57) [figs.1,3, col.1, lines 23-27, col.7, lines 39-49 and col.9, lines 54-64].

Regarding claims 7-8, Turnbull discloses the control processing unit (50a) having a user interface (50b) to communicate with a memory device for processing the navigation and other plurality of modules (51,52,54,57) [figs.1,5 col.8, lines 1-57, col.9, lines 55-64].

Regarding claims 9-10, Turnbull discloses the user interface (50b) / keypad for programming any data information in the memory device for processing the navigation and other plurality of modules (51,52,54,57) as desire by a user [figs.1,5 col.8, lines 1-57, col.9, lines 55-64].

5. Claims 5-6 & 11-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Turnbull (U.S. 6,539,306) in view of Weller et al. Pub. No. (U.S. 2004/0032675) filed on June 6, 2003.

Regarding claim 5, The reference of Turnbull does not specifically mention the vehicle information a microphone, voice recognize circuit for using in audio system as claimed by the applicant.

However, Turnbull discloses the control processing unit (50a) adapted with plurality of operative modules including a navigation system (50) having a navigation display (50b), telematics system

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(52) and entertainment system (57) contains AM/FM radios / local networks, satellite radios television or the like by wireless communication signals [figs.1,5 col.8, lines 1-57, col.9, lines 55-64].

Furthermore, Weller mentions a prior art [U.S. 6,420,975] to disclose a display information from navigation system is used in a vehicle for displaying data information to the driver or occupant of the vehicle which may associate with communication system, a speaker, GPS module, video, microphone, which may be operable for speech or voice recognition, cellular phone control and so on [page 25, lines 2-18].

Therefore, it would have been obvious to one having ordinary skill in the art to have the teaching of Weller in the system of Turnbull for communicating with the navigation system and other telecommunication network system via wireless signal / voice command signal.

Regarding claim 6, Weller the navigation system is used in a vehicle for displaying data information to the driver or occupant of the vehicle which may associate with communication system by wireless signal / wireless communication network as a Bluetooth [page 24, paragraph 0167].

Regarding claims 11-12, Weller the navigation system is used in a vehicle for displaying data information to the driver or occupant of the vehicle which may associate with communication system by wireless signal / wireless communication network as a CAN and a Bluetooth for short range signal [page 24, paragraph 0167].

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Regarding claim 13, Weller a display is used in a vehicle for displaying data information to the driver or occupant of the vehicle which can be a vacuum florescent (VF) display [page 21, paragraph 0004].

Regarding claim 14, Turnbull discloses a vehicle information system / GPS (50) having a plurality of operative modules (51,52,54,57) [figs.1,5 col.8, lines 52-58, col.9, lines 55-64] comprising:

- a control processing unit (50a) adapted with plurality of operative modudes including a navigation system (50) having a navigation display (50b), telematics system (52) and entertainment system (57) contains AM/FM radios / local networks, satellite radios television or the like by wireless communication signals [figs.1,5 col.8, lines 1-57, col.9, lines 55-64];
- the navigation system (50) is communicated with Global positioning satellite (12) [fig.1, col.4, lines 10-29];
- GPS antenna / Loran antenna (44) can be mounted in any where in the vehicle including in an overhead console (11K) which the GPS antenna maintains line of sight with Global Positioning Satellite transmitters (13) at all time ([fig.1, col.4, lines 10-29 and col.6, lines 41-60];
- the control processing unit (50a) having a user interface (50b) to communicate with a memory device for processing the navigation and other plurality of modules (51,52,54,57) [figs.1,5 col.8, lines 1-57, col.9, lines 55-64];
- the user interface (50b) / keypad for programming any data information in the memory device for processing the navigation and other plurality of modules (51,52,54,57) as desire by a user [figs.1,5 col.8, lines 1-57, col.9, lines 55-64];

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The reference of Turnbull does not specifically mention “antenna array”, a microphone, voice recognize circuit for using in audio system and a vacuum florescent (VF) display as claimed by the applicant.

However, Turnbull does mention that GPS antenna / Loran antenna (44) can be any type of several of antenna as whip antennas, loop antennas or the like for receiving Loran broadcasts [fig.1, col.4, lines 10-29, col.6, lines 41-60 and col.7, lines 39-49].

Therefore, it would have been obvious to one having ordinary skill in the art to utilize the system of Turnbull for receiving good signals at all time from the Satellites and local signals as providing visual information and wireless telecommunication networks to driver of the vehicle.

Furthermore, Weller mentions a prior art [U.S. 6,420,975] to disclose a display information from navigation system is used in a vehicle for displaying data information to the driver or occupant of the vehicle which may associate with communication system, a speaker, GPS module, video, microphone, which may be operable for speech or voice recognition, cellular phone control and so on and the display device can be a vacuum florescent (VF) display as desired [page 21, paragraph 0004 and page 25, lines 2-18].

Therefore, it would have been obvious to one having ordinary skill in the art to use the teaching of Weller in the system of Turnbull for communicating with the navigation system and other telecommunication network system via wireless signal / voice command signal.

Regarding claims 15-17, Turnbull mentions that GPS antenna / Loran antenna (44) can be any type of several of antenna as whip antennas, loop antennas, microwave antennas or the like for

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using in a cellular phone or satellite radios, television or by entertainment system (57) [figs.1,3, col.1, lines 23-27, col.7, lines 39-49 and col.9, lines 54-64].

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

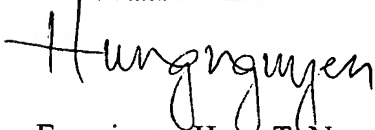
- DeLine et al. (U.S. 6,420,975) Interior rearview mirror sound processing system.
- McCarthy et al. (U.S. 6,678,614) Navigation system for a vehicle.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung T. Nguyen whose telephone number is (571) 272-2982. The examiner can normally be reached on Monday to Friday from 8:00am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hofsass, Jeffery can be reached on (571) 272-2981. The fax phone number for this Group is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

HUNG NGUYEN
PRIMARY EXAMINER



Examiner: Hung T. Nguyen

Date: July 27, 2005